

RACHEL LOCKRIDGE MUELLER

Ph.D. Candidate
Museum of Vertebrate Zoology
Department of Integrative Biology
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PROFESSIONAL PREPARATION

- Fall, 1998- University of California, Berkeley
Graduate studies, Department of Integrative Biology and
Museum of Vertebrate Zoology
Major Professor: David B. Wake
- July, 1999 Field course in Neotropical Herpetology
Institute for Tropical Ecology and Conservation
Boca del Drago, Bocas del Toro, Panama
- 1991-1995 University of California, Berkeley
B.A. May, 1995
Major: Integrative Biology
- Fall, 1993 School for Field Studies
Semester Study of Tropical Rainforest Ecology and Management
Yungaburra, Queensland, Australia

ACADEMIC HONORS

- May 1995 Departmental Citation for Outstanding Undergraduate Achievement in
Integrative Biology. University of California, Berkeley.
- May 1995 Highest Honors, B.A., Integrative Biology, UC Berkeley.
- May 1995 High Distinction in General Scholarship, UC Berkeley.

GRANTS, SCHOLARSHIPS, AND AWARDS

2001. Doctoral Dissertation Improvement Grant, National Science Foundation. \$10,000.
2001. Summer Block Grant. UC Berkeley Department of Integrative Biology. \$5000.
2000. Grant-in-aid of Research, Sigma Xi. \$900.
2000. Grant-in-aid of Basic Research, Museum of Vertebrate Zoology. \$700.
- 1999-2001. National Institute of Health Genetics Training Grant Award, full stipend and tuition.
- 1998-99, 2001-03. National Science Foundation Pre-doctoral fellowship. Full stipend and tuition.
1998. Louisa M. Kellogg Grant-in-aid, Museum of Vertebrate Zoology. \$1000.
1996. That Man May See Foundation Research Grant. P.I. Dr. Joan M. O'Brien, University of California, San Francisco. Co-P.I. Rachel Mueller. \$70,000
1994. General Honorary Scholarship, UC Berkeley. \$300.
1994. Howard Hughes Summer Institute in Molecular and Cell Biology. University of California, Santa Cruz. Full tuition, research expenses, and stipend for summer.

APPOINTMENTS

2001 Research Associate. Joint Genome Institute, Walnut Creek, California.
2000. Lab Manager, Evolutionary Genetics Laboratory, Museum of Vertebrate Zoology. University of California, Berkeley.
1999. Graduate Student Instructor, General Biology. University of California, Berkeley.
1995-97. Staff Research Associate, Ocular Oncology Laboratory. University of California, San Francisco.
1993. Lab Assistant. University of California, Berkeley.
1993. Field Assistant. University of California, Berkeley.

PROFESSIONAL ACTIVITIES AND AFFILIATIONS

Reviewer, *Asiatic Herpetological Research*
American Society of Ichthyology and Herpetology
Society for Integrative and Comparative Biologists
Society for the Study of Evolution

PUBLICATIONS

Autumn, Kellar; Jindrich, Devin; DeNardo, Dale; Mueller, Rachel. Locomotor performance at low temperature and the evolution of nocturnality in geckos. *Evolution*, v.53, n.2, (1999. April): 580-599.

Murray, T G; Cicciarelli, N; O'Brien, J M; Hernandez, E; Mueller, R L; Smith, B J; Feuer, W. Subconjunctival carboplatin therapy and cryotherapy in the treatment of transgenic murine retinoblastoma. *Archives of Ophthalmology*, v.115, n.10, (1997): 1286-1290.

CONTRIBUTED PAPERS

Mueller, R.L. Who needs a nucleus? Red blood cells in the genus *Batrachoseps* Society for Integrative and Comparative Biologists Annual Meeting, Chicago, IL. January, 2001.

CONTRIBUTED POSTERS

Mueller, R.L. Who needs a nucleus? Red blood cells in the genus *Batrachoseps*. American Society of Ichthyologists and Herpetologists Annual Meeting, La Pax, Mexico June, 2000.

Mueller, R.L. Red blood cells in the genus *Batrachoseps*. Fourth Asian Herpetological Conference, Ghengdu, China, July, 2000.

Mueller, R L; Gordon, K B; Smith, B J; O'Brien, J M. Genetic markers for second tumor susceptibility in retinoblastoma. (Annual Meeting of the Association for Research in Vision and Ophthalmology, Parts 1-2, Fort Lauderdale, Florida, USA, May 11-16, 1997.) *Investigative Ophthalmology & Visual Science*, v.38, n.4 PART 1-2, (1997): S795.

O'Brien, J M; Smith, B J; Gonzalez, G A; Mueller, R L; Beckman, K. Methods for expediting diagnostic testing for retinoblastoma gene alterations. (Annual Meeting of the Association for Research in Vision and Ophthalmology, Parts 1-2, Fort Lauderdale, Florida, USA, May 11-16, 1997.) *Investigative Ophthalmology & Visual Science*, v.38, n.4 PART 1-2, (1997): S795.

Gordon, K B; Murray, T G; Cicciarelli, N; Hernandez, E; Smith, B J; Mueller, R L; O'Brien, J M. Subconjunctival chemotherapy using vincristine, etoposide, or cyclophosphamide in a transgenic mouse model of retinoblastoma. (Annual Meeting of the Association for Research in Vision and Ophthalmology, Parts 1-2, Fort Lauderdale, Florida, USA, May 11-

16, 1997.) Investigative Ophthalmology & Visual Science, v.38, n.4 PART 1-2, (1997): S147.